

AN ORDINANCE OF THE CITY OF FRISCO, TEXAS, REPEALING ORDINANCE NO. 08-01-08; AMENDING DIVISION 8 (FUEL GAS), ARTICLE IV (TECHNICAL CODES), CHAPTER 18 (BUILDINGS AND BUILDING REGULATIONS), PART II OF THE FRISCO'S CODE OF ORDINANCES; ADOPTING THE 2012 EDITION OF THE INTERNATIONAL FUEL GAS CODE, SAVE AND EXCEPT THE DELETIONS AND ADDITIONS SET FORTH HEREIN; REGULATING THE INSTALLATION OF FUEL-GAS PIPING SYSTEMS, FUEL-GAS UTILIZATION EQUIPMENT AND RELATED ACCESSORIES WITHIN THE CITY OF FRISCO, TEXAS; PROVIDING FOR A PENALTY FOR THE VIOLATION OF THIS ORDINANCE; PROVIDING FOR REPEALING, SAVINGS AND SEVERABILITY CLAUSES; PROVIDING FOR AND EFFECTIVE DATE OF THIS ORDINANCE; AND PROVIDING FOR THE PUBLICATION OF THE CAPTION HEREOF.

WHEREAS, the City Council of the City of Frisco, Texas ("City Council") has investigated and determined that it would be advantageous, beneficial and in the best interest of the citizens of the City of Frisco, Texas ("Frisco") to amend Division 8 (Fuel-Gas), Article IV (Technical Codes), Chapter 18 (Buildings and Building Regulations), Part II of the Frisco's Code of Ordinances by adopting the 2012 Edition of the International Fuel Gas Code, save and except the deletions and additions set forth below; and

WHEREAS, the City Council has investigated and determined that in order to most effectively make the deletions and additions necessary to Division 8 (Fuel Gas), Article IV (Technical Codes), Chapter 18 (Buildings and Building Regulations), Part II of the Frisco Code of Ordinances, it is in the best interest of the citizens of Frisco to repeal Ordinance No. 08-01-08 (Fuel Gas Code), in its entirety, and replace it with this Ordinance, adopting the 2012 Edition of the International Fuel Gas Code, save and except the deletions and additions set forth below.

NOW, THEREFORE, BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF FRISCO, TEXAS:

SECTION 1: Findings Incorporated. The findings set forth above are incorporated into the body of this Ordinance as if fully set forth herein.

SECTION 2: Repeal of Ordinance No. 08-01-08. Ordinance No. 08-01-08 is hereby repealed, in its entirety, and replaced by this Ordinance. The effective date of the repeal discussed in this Section shall not occur until the effective date of this Ordinance at which time Ordinance No. 08-01-08 shall be repealed. Such repeal shall not abate any pending prosecution and/or lawsuit or prevent any prosecution and/or lawsuit from being commenced for any violation of Ordinance No. 08-01-08 occurring before the effective date of this Ordinance.

SECTION 3: Amendment to Division 8 (Fuel Gas), Article IV (Technical Codes), Chapter 18 (Buildings and Building Regulations), Part II of the Frisco Code of Ordinances.

Division 8 (Fuel Gas), Article IV (Technical Codes), Chapter 18 (Buildings and Building Regulations), Part II of the Frisco Code of Ordinances is hereby amended for the sole purpose of adopting new fuel gas code regulations as set forth in the International Fuel Gas Code, copyrighted by the International Code Council, Inc., save and except the deletions and additions set forth in **Exhibit "A"**, attached hereto and incorporated herein for all purposes, regulating the installation of fuel gas piping systems, fuel gas utilization equipment and related accessories within Frisco ("2012 International Fuel Gas Code"). The 2012 International Fuel Gas Code is made a part of this Ordinance as if fully set forth herein. Three (3) copies of the 2012 International Fuel Gas Code are on file in the office of the City Secretary of Frisco being marked and designated as the 2012 International Fuel Gas Code. The deletions and additions set forth in **Exhibit "A"** are located on Frisco's website under Development Services.


SECTION 4: Savings/Repealing Clause. All provisions of any ordinance in conflict with this Ordinance are hereby repealed to the extent they are in conflict; but such repeal shall not abate any pending prosecution for violation of the repealed ordinance, nor shall the repeal prevent a prosecution from being commenced for any violation if occurring prior to the repeal of the ordinance. Any remaining portion of conflicting ordinances shall remain in full force and effect.

SECTION 5: Penalty Provision. Any person, firm, corporation or business entity violating this Ordinance shall be deemed guilty of a misdemeanor, and upon conviction therefore, shall be fined a sum not exceeding TWO THOUSAND AND NO/100 DOLLARS (\$2,000.00), and each and every day that such violation continues shall be considered a separate offense; provided, however, that such penal provision shall not preclude a suit to enjoin such violation. Frisco retains all legal rights and remedies available to it pursuant to local, state and federal law.

SECTION 6: Severability. If any section, subsection, sentence, clause or phrase of this Ordinance is for any reason, held to be unconstitutional or invalid by a court of competent jurisdiction, such decision shall not affect the validity of the remaining portions of this Ordinance. Frisco hereby declares that it would have passed this Ordinance, and each section, subsection, clause or phrase thereof, irrespective of the fact that any one or more sections, subsections, sentences, clauses, and phrases be declared unconstitutional.

SECTION 7: Effective Date. This Ordinance shall become effective upon its passage and publication as required by the City Charter and by law.

DULY PASSED AND APPROVED BY THE CITY COUNCIL OF THE CITY OF FRISCO, TEXAS, on this 1st day of October, 2013.



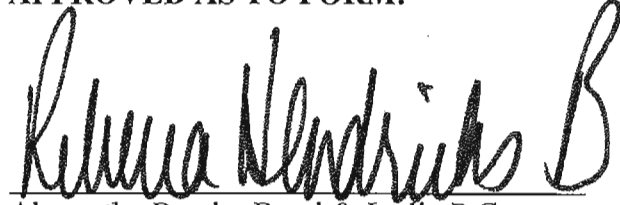
Maher Maso, Mayor

**ATTESTED TO AND
CORRECTLY RECORDED BY:**


Jenny Page, City Secretary



APPROVED AS TO FORM:



Abernathy Roeder Boyd & Joplin P.C.
Rebecca Hendricks Brewer, City Attorneys

Date(s) of Publication: October 11 and 18th, 2013, *Frisco Enterprise*

Exhibit "A"
CITY OF FRISCO DELETIONS/ADDITIONS
2012 INTERNATIONAL FUEL GAS CODE¹

The following deletions and additions to the 2012 International Fuel Gas Code are hereby approved and adopted (*i.e.* deletions evidenced by ~~strikethrough~~ and additions evidenced by underline)²:

Chapter 1. Scope and Administration of the 2012 International Fuel Gas Code is amended as follows:

Section 102 Applicability of the 2012 International Fuel Gas Code is amended as follows:

102.8 Referenced codes and standards. The codes and standards referenced in this code, shall be those that are listed in Chapter 8 and such codes and standards shall be considered as part of the requirements of this code to the prescribed extent of each such reference and as further regulated in Sections 102.8.1 and 102.8.2. Whenever amendments have been adopted by Frisco, as they exist or may be further amended, to the referenced codes and standards, each reference to said codes and standards shall be considered to reference the amendments and any future amendments thereto.

Section 106 Permits of the 2012 International Fuel Gas Code is amended as follows:

106.6.2 Fee schedule. The fees for work shall be as established in the following schedule-Frisco's Comprehensive Master Fees Ordinance, as amended:

[REMAINDER OF PAGE INTENTIONALLY LEFT BLANK.]

¹ Unless otherwise expressly provided herein, all phrases, words and/or terms used herein shall have the same meaning ascribed to the same in the 2012 International Fuel and Gas Code (regardless of whether such phrases, words and/or terms are italicized herein).

² Other italicized and bold notations are provided throughout for informational purposes only. By way of example only, "*[Paragraph remains unchanged.]*".

Plumbing Permit Fees	
For issuance of each permit	\$20.00
For issuance of each supplemental permit	\$10.00
For each plumbing fixture on one trap or a set of fixtures on one trap (including water, drainage piping and backflow protection therefore)	\$7.00
For each building sewer and each trailer park sewer	\$15.00
Rainwater systems - per drain (inside building)	\$7.00
For each cesspool (where permitted)	\$25.00
For each private sewage disposal system \$	\$40.00
For each water heater and / or vent \$	\$7.00
For each gas-piping of one to five outlets	\$5.00
For each additional gas piping system outlet, per outlet	\$1.00
For each industrial waste pretreatment interceptor including its trap and vent, except kitchen type grease interceptors functioning as fixture traps	\$7.00
For each installation, alteration or repair of water piping and / or water treating eq	\$7.00
For each repair or alteration of drainage or vent piping, each fixture	\$7.00
For each lawn sprinkler system on any one meter including backflow protection de	\$35.00
For atmospheric-type vacuum breakers	
1 to 5	\$5.00
over 5, each	\$1.00
For each backflow protective device other than atmospheric type vacuum breakers:	
2 inch (51mm) diameter and smaller	\$7.00
over 2 inch (51mm)	\$15.00
For each graywater system	\$40.00
For initial installation and testing for a reclaimed water system	\$30.00
For each annual cross-connection testing of a reclaimed water system (excluding in	\$30.00
For each medical gas piping system serving one to five Inlet(s) / outlet(s) for a spec	\$50.00
For each additional medical gas inlet(s) / outlet(s)	\$5.00

106.6.3 Fee refunds. The building official shall authorize the refunding of fees as follows:

2. Not more than 80 percent of the permit fee paid when no work has been done under a permit issued in accordance with this code.
3. Not more than 80 percent of the plan review fee paid when an application for a permit for which a plan review fee has been paid is withdrawn or canceled before any plan review effort has been expended.

Section 305 Installation of the 2012 International Fuel Gas Code is amended as follows:

305.5 Private garages. *[Entire subsection deleted.]*

Section 306 Access and Service Space of the 2012 International Fuel Gas Code is amended as follows:

306.3 Appliances in attics. Attics containing appliances shall be provided with an opening and unobstructed passageway large enough to allow removal of the largest appliance. The passageway shall not be less than thirty (30) inches (762 mm) high and twenty-two (22) inches (559 mm) wide and not more than twenty (20) feet (6096 mm) in length measured along the center line of the passageway from the opening to the appliance. The passageway shall have continuous unobstructed solid flooring not less than twenty-four (24) inches (610 mm) wide. A level service space not less than thirty (30) inches (762 mm) deep and thirty (30) inches (762 mm) wide shall be present at the front or service side of the appliance. The clear access opening dimensions shall be a minimum of twenty (20) inches by thirty (30) inches (508 mm by 762 mm), or larger and large enough large enough to allow removal of the largest appliance. At a minimum, access to the attic space shall be provided by one of the following:

1. A permanent stair or ladder fastened to the building.
2. A pull down stair with a capacity of three hundred (300) pounds.
3. An access door from an upper floor level.

306.5 Equipment and appliance on roofs or elevated structures. Where equipment requiring access or appliances are located on elevated structures or the roof of a building such that personnel will have to climb higher than sixteen (16) feet (4877mm) above grade to access such equipment or appliance, an interior or exterior means of access shall be provided. Such access shall not require climbing over obstructions greater than thirty (30) inches (762mm) in height or walking on roofs having a slope greater than four (4) units vertical in twelve (12) units horizontal (33-percent slope). Such access shall not require the use of portable ladders. Permanent exterior ladders providing access need not extend closer than eight (8) feet (2438mm) to the finish.

306.5.2 Catwalks. On roof having slopes greater four (4) units vertical in twelve (12) units horizontal (33-percent slope), a catwalk at least twenty-four (24) inches (610 mm) wide with substantial cleats not more than sixteen (16) inches (406 mm) apart shall be provided from the roof access to the working platform at the appliance.

306.7 Water heaters above ground or floor. When the attic, roof, mezzanine or platform in which a water heater is installed is more than eight (8) feet (2438 mm) above the ground or floor level, it shall be made accessible by a stairway, permanent ladder with a minimum three hundred (300) pound capacity fastened to the building or an access door from an upper floor level.

Exception: Where a max ten (10) gallon water heater (or larger with approval): (i) is capable of being accessed through a lay-in ceiling; (ii) is installed on a platform not more than ten (10) feet (3048 mm) above the ground or floor level; and (iii) may be reached with a portable ladder.

Section 307 Condensate Disposal of the 2012 International Fuel Gas Code is amended as follows:

307.3 Drain pipe materials and sizes. Components of the condensate disposal system shall be cast iron, galvanized steel, copper, cross-linked polyethylene, polybutylene, polyethylene, ABS, CPVC, ~~or schedule 80 PVC pipe, when exposed to ultra violet rays,~~ PVC pipe or tubing. All components shall be selected for the pressure and temperature exposure rating of the installation. Joints and connections shall be made in accordance with the applicable provisions of Chapter 7 of the International Plumbing Code relative to the material type. Condensate waste and drain line size shall not be less than 3/4-inch (19 mm) internal diameter and shall not decrease in size from the drain pan connection to the place of condensate disposal. Where the drain pipes from more than one (1) unit are manifolded together for condensate drainage, the pipe or tubing shall be sized in accordance with an approved method.

Section 401 General of the 2012 International Fuel Gas Code is amended as follows:

401.5 Identification. *[Paragraph remains unchanged.]*

Both ends of each section of medium pressure corrugated stainless steel tubing (CSST) shall identify its operating pressure with an approved tag. The tags are to be composed of aluminum or stainless steel and the following wording shall be stamped into the tag:

“Warning: ½ to 5 psi gas pressure. Do Not Remove!”

Section 402 Pipe Sizing of the 2012 International Fuel Gas Code is amended as follows:

402.3 Sizing. *[Paragraph remains unchanged.]*

Exception: Corrugated Stainless Steel Tubing (CSST) shall be a minimum of one-half (1/2) inch (12.7 mm) diameter.

Section 404 Piping System Installation of the 2012 International Fuel Gas Code is amended as follows:

404.12 Minimum burial depth. All underground piping systems shall be installed a minimum depth of ~~12-18 inches (305 mm)-(457 mm)~~ below grade, ~~except as provided for in Section 404.12.1.~~

404.17.2 Connections. Connections outdoors and underground between metallic and plastic piping shall be made only with transition fittings conforming to ASTM D 2513 Category I or ASTM F 1973. Compression-type mechanical joints are not permitted underground.

Section 406 Inspection, Testing and Purging of the 2012 International Fuel Gas Code is amended as follows:

406.1 General. Prior to acceptance and initial operation, all piping installations shall be inspected and pressure tested to determine that the materials, design, fabrication, and installation practices comply with the requirements of this code. The permit holder shall make the applicable tests prescribed in Sections 406.1.1 through 406.7.3 to determine compliance with the provisions of this code. The permit holder shall give reasonable advance notice to the building official when the piping system is ready for testing. The equipment, material, power, and labor necessary for the inspections and test shall be furnished by the permit holder and the permit holder shall be responsible for determining that the work will withstand the test pressure prescribed in the following tests.

406.4 Test pressure measurement. Test pressure shall be measured with a manometer or with a pressure-measuring device designed and calibrated to read, record, or indicate a pressure loss caused by leakage during the pressure test period. The source of pressure shall be isolated before the pressure tests are made. For a test requiring a 3 psig, mechanical gauges shall utilize a dial with a minimum diameter of three and one half inches (3 ½"), a set hand, 1/10 pound increments and pressure range not to exceed 6 psi for test requiring a pressure 3 psig. For test requiring 10 psig, mechanical gauges shall utilize a dial with minimum diameter of three and one-half inches (3 ½"), a set hand, a minimum of 2/10 pound increments and a pressure range not to exceed 20 psi. Mechanical gauges used to measure test pressures shall have a range such that the highest end of the scale is not greater than five times the test pressure.

406.4.1 Test pressure. ~~The test pressure to be used shall be no less than 1 1/2 times the proposed maximum working pressure, but not less than 3 psig (20 kPa gauge), irrespective of design pressure. Where the test pressure exceeds 125 psig (862 kPa gauge), the test pressure shall not exceed a value that produces a hoop stress in the piping greater than 50 percent of the specified minimum yield strength of the pipe, not be less than 3 psig (20 kPa gauge), or at the discretion of the building official, the piping and valves may be tested at a pressure of at least six (6) inches (152 mm) of mercury, measured with a manometer or slope gauge. For welded piping and for piping carrying gas at pressures in excess of fourteen (14) inches water column pressure (3.48 kPa) (1/2 psi) and less than two hundred (200) inches of water column pressure (52.2 kPa) (7.5 ps), the test pressure shall be not less than ten (10) pounds per square inch (69.6 kPa). For piping carrying gas at a pressure that exceeds two hundred (200) inches of water column (52.2 kPa) (7.5 psi), the test pressure shall not be less than one and one-half (1/2) time the proposed maximum working pressure.~~

406.4.2 Test duration. ~~Test duration shall be not less than ½ hour for each 500 cubic feet (14-m³) of pipe volume or fraction thereof. When testing a system having a volume less than 10 cubic feet (0.28m³) or a system in a single family~~

~~dwelling, the test duration shall be not less than 10 minutes. The duration of the test shall not be required to exceed 24 hours. held for a length of time satisfactory to the building official, but in no case less than fifteen (15) minutes. For welded piping, and for piping carrying gas at a pressures in excess of fourteen (14) inches water column pressure, the test duration shall be for a length of time satisfactory to the building official, but in no case less than thirty (30) minutes.~~

Section 409 Shutoff Valves of the 2012 International Fuel Gas Code is amended as follows:

409.1.4 Valves in CSST installations. Shutoff valves installed with corrugated stainless steel (csst) piping systems shall be supported with an approved termination fitting, or equivalent support, suitable for the size of the valve, of adequate strength and quality, and located at interval so as to prevent or damp out excessive vibration but in no case greater than twelve (12) inches from the center of the valve. Supports shall be installed so as not to interfere with the free expansion and contraction of the system's piping, fittings, and valves between anchors. All valves and supports shall be designed and installed so they will not be disengaged by movement of the supporting piping.

Section 410 Flow Controls of the 2012 International Fuel Gas Code is amended as follows:

410.1 Pressure regulators. A line pressure regulator shall be installed where the appliance is designed to operate at a lower pressure than the supply pressure. Line gas pressure regulators shall be listed as complying with ANSI Z21.80. Access shall be provided to pressure regulators. Pressure regulators shall be protected from physical damage. Regulators installed on the exterior of the building shall be approved for outdoor installation. Access to regulator shall comply with the requirements for access to appliances as specified in Section 306.

Exception: A passageway or level service space is not required when the regulator is capable of being serviced and removed through the required attic opening.

Section 503 Venting of Appliances of the 2012 International Fuel Gas Code is amended as follows:

503.6.11 Support of gas vents. Gas vents shall be supported and spaced in accordance with the manufacturer's installation instructions. Supports shall be installed at every offset and at the vent pipe where it extends through the roof flashing, roof jack or roof thimble. Adjustable fittings shall not be used as lateral support for roof penetration.

Section 604 Specific Appliances of the 2012 International Fuel Gas Code is amended as follows:

614.6.6 Length identification. Where the exhaust duct is concealed within the building construction, the equivalent length of the exhaust duct shall be identified on a permanent label or tag. The label or tag shall be located ~~within 6 feet (1829 mm) of~~ at the exhaust duct connection.

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(This Index is provided for informational purposes only to note the location of the deletions/additions in the 2012 International Fuel Gas Code as set forth in this Ordinance)

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END OF EXHIBIT "A"